

Environmental Restoration Project



Area of Concern (AOC) No. 1006: Building 6741 Septic System, TA-III

ADS: 1295

Operable Unit: Septic Tanks and Drainfields

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Primary Contact: [Dick Fate](#)

Office Phone: 284-2568

Site History

Historical SNL/NM Facilities Engineering drawings indicate that this system consisted of a septic tank and drainfield approximately 100 feet southeast of, and outside of the Building 6741 perimeter fence in TA-III. It is assumed that this septic system was abandoned in the early 1990s when the City of Albuquerque sanitary sewer system was extended into TA-III. No other historical research has been conducted for this site.

Constituents of Concern

Constituents of concern for this site are unknown.

Current Hazards

No known surface hazards have been identified. Analytical data for soil samples collected at the site had not been compiled as of November 2001; therefore potential subsurface environmental hazards are unknown.

Current Status of Work

Samples were collected from the septic tank in 1992 and 1995 for waste characterization purposes. Residual tank contents were pumped out and the tank cleaned in February 1996.

A backhoe was used to expose and locate the drainfield drain lines in June 1997.

Shallow soil samples were collected from three borings drilled in the drainfield area in June 1998 and again in August 1999. These samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), total cyanide, high explosive (HE) compounds, metals, and radionuclides.

Future Work Planned

Analytical results for the soil samples collected in 1998 and 1999 will be compiled and reviewed.

To further determine if environmental contamination is present beneath this system and in accordance with agreements reached with New Mexico Environment Department (NMED) personnel, passive soil vapor samplers will be installed at the site to detect the presence of VOCs. This work is scheduled in Fiscal Year 2003. As shown on the site map, passive soil vapor samplers will be placed at five locations in the drainfield area. This site may be selected for deeper environmental characterization sampling if analytical results from the shallow sampling indicate potentially significant contamination at depth.

Waste Volume Estimated/Generated

A total of 903 gallons of effluent (including water introduced to facilitate pumping) was removed from the septic tank in February 1996. No environmental characterization or remediation waste has been generated at the site to date.

Information for ER Site 1006 was last updated Dec 17, 2001.